

Appl. No. 10/056,096
Amtd. Dated January 27, 2006
Reply to Office Action of October 27, 2005

Listing of Claims:

1. (Currently Amended) A wireless terminal comprising a ground conductor housing and a transceiver housed by said ground conductor housing and coupled to an antenna feed,

wherein the antenna feed is coupled directly to the ground conductor housing via a capacitor formed by a conducting plate and a portion of the ground conductor housing, ~~said plate having a non-resonant length substantially less than a wavelength~~ said capacitor being sized to have a large capacitance for maximum coupling and minimum reactance and to have a Q radiating element less than 1, and

wherein a slot, partially located underneath the conducting plate, is provided in the ground conductor housing such that said coupling occurs across the slot substantially at its open end, and

wherein the wireless terminal comprises a single port and a single ground plane.

2. (Previously Presented) A terminal as claimed in claim 1, wherein the slot is parallel to the major axis of the terminal.

3. (Previously Presented) A terminal as claimed in claim 1, wherein the slot is folded.

4. (Previously Presented) A terminal as claimed in claim 1, wherein a further slot, also partially located underneath the conducting plate, is provided in the ground conductor housing.

5. (Previously Presented) A terminal as claimed in claim 1, wherein the conducting plate is asymmetrical with respect to the major axis of the ground conductor housing.

6. (Previously Presented) A terminal as claimed in claim 1, wherein the

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ground conductor housing is a handset case.

7. (Previously Presented) A terminal as claimed in claim 1, wherein the ground conductor housing is a printed circuit board ground plane.

8. (Previously Presented) A terminal as claimed in claim 1, wherein a matching network is provided between the transceiver and the antenna feed.